

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 03/00419

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H04Q 7/32, H04Q 7/38, H04B 1/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0840465 A2 (NOKIA MOBILE PHONES LTD.), 6 May 1998 (06.05.98), column 18, line 57 - column 19, line 33, abstract --	1-18
A	WO 0239600 A2 (RESEARCH IN MOTION LIMITED), 16 May 2002 (16.05.02), page 18, line 4 - page 19, line 5, abstract --	1-18
A	WO 0199392 A1 (SEIKO EPSON CORPORATION), 27 December 2001 (27.12.01), abstract -- -----	1-18

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
17 December 2003Date of mailing of the international search report
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INTERNATIONAL SEARCH REPORT
Information on patent family members

31/10/03

International application No.

PCT/FI 03/00419

Patent document cited in search report	Publication date		Patent family member(s)	Publication date
EP 0840465 A2	06/05/98		FI 111674 B FI 964399 A JP 10163917 A US 6272359 B US 2001031622 A	00/00/00 15/06/98 19/06/98 07/08/01 18/10/01
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WO 0199392 A1	27/12/01		AU 7457701 A CN 1389058 T EP 1212885 A JP 2002084575 A US 2002115478 A WO 0199450 A JP 2002330473 A JP 2002335185 A	02/01/02 01/01/03 12/06/02 22/03/02 22/08/02 27/12/01 15/11/02 22/11/02